

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claims 1, 2, 4, 5, 7, 8, 10, 11, 12, AND 13 in accordance with the following:

1. (CURRENTLY AMENDED) A solid editing method in a three-dimensional CAD system, having a display screen and an operation unit for operating basic configurations displayed on said display screen, for completing a final three-dimensional configuration by an operation of combining a plurality of basic configurations, said method comprising:

displaying, on said display screen, in-the-making configurations from a first basic configuration as a start configuration down to the final three-dimensional configuration;
selecting one of the in-the-making configurations displayed; and
setting as an edit target the basic configuration finally combined with respect to the selected in-the-making configuration;

wherein said method further comprises setting the edit target basic configuration in a non-display state or a display state from the non-display state with respect to the combination of the basic configurations for forming the final three-dimensional configuration.

2. (CURRENTLY AMENDED) A readable-by-computer recording medium that provides instructions for completing a final three-dimensional configuration by an operation of combining a plurality of basic configurations, which, when executed by a computer, cause the computer to perform operations comprising:

displaying, on a display screen, in-the-making configurations from a first basic configuration as a start configuration down to the final three-dimensional configuration;
selecting one of the in-the-making configurations displayed; and
setting as an edit target the basic configuration finally combined with respect to the selected in-the-making configuration;

wherein said operations further comprise setting the edit target basic configuration in a non-display state or a display state from the non-display state with respect to the combination of

the basic configurations for forming the final three-dimensional configuration.

3. (PREVIOUSLY PRESENTED) The readable-by computer recording medium recorded with the program according to claim 2, wherein said program further comprises generating a sum of the basic configurations, a difference between the basic configurations, and a product of the basic configurations.

4. (CURRENTLY AMENDED) A readable-by-computer recording medium recorded with a program for indicating a computer to edit a three-dimensional configuration formed by sequentially combining basic configurations, said program comprising:

displaying, on said display screen, in-the-making configurations from a first basic configuration as a start configuration down to the final three-dimensional configuration; selecting a first one of the in-the-making configurations displayed; and setting as an edit target a basic configuration finally combined with respect to the first selected in-the-making configuration, wherein said selecting further includes selecting a second in-the-making configuration, and the program further comprises changing a combination sequence of the basic configuration set as the edit target with the selection of the first in-the-making configuration, to just posterior (or just anterior) to the second in-the-making configuration;

wherein said program further comprises setting the edit target basic configuration in a non-display state or a display state from the non-display state with respect to the combination of the basic configurations for forming the final three-dimensional configuration.

5. (CURRENTLY AMENDED) A readable-by-computer recording medium that provides instructions for completing a final three-dimensional configuration by an operation of combining a plurality of basic configurations, which, when executed by a computer, cause the computer to perform operations comprising:

displaying, on a display screen, in-the-making configurations from a first basic configuration as a start configuration down to the final three-dimensional configuration, wherein the three-dimensional configuration is stored in the form of element data representing the basic configurations, and sequence indicating data representing a combination sequence of plural items of element data;

selecting a first displayed in-the-making configuration and a second displayed in-the-making configuration;

setting as an edit target a basic configuration finally combined with respect to the

selected first displayed in-the-making configuration; and changing the combination sequence of the basic configuration set as the edit target with the selection of the first displayed in-the-making configuration, to just posterior (or just anterior) to the second displayed in-the-making configuration, and changing the sequence indicating data representing the combination sequence of plural items of element data;

wherein said operations further comprise setting the edit target basic configuration in a non-display state or a display state from the non-display state with respect to the combination of the basic configurations for forming the final three-dimensional configuration.

6. (PREVIOUSLY PRESENTED) A readable-by-computer recording medium recorded with a program according to claim 2, wherein said program further comprises deleting the edit target basic configuration from the combination of the basic configuration forming the final three-dimensional configuration.

7. (CURRENTLY AMENDED) A readable-by-computer recording medium recorded with a program that provides instructions for completing a final three-dimensional configuration by an operation of combining a plurality of basic configurations, which, when executed by a computer, causes the computer to perform operations comprising:

displaying, on a display screen, in-the-making configurations from a first basic configuration as a start configuration down to the final three-dimensional configuration;
selecting one of the in-the-making configurations displayed; and
setting as an edit target the basic configuration finally combined with respect to the selected in-the-making configuration according to claim 2, wherein said program further comprises setting the edit target basic configuration in a non-display state (or a display state from the non-display state) with respect to the combination of the basic configurations for forming the final three-dimensional configuration.

8. (CURRENTLY AMENDED) A readable-by-computer recording medium recorded with a program that provides instructions for completing a final three-dimensional configuration by an operation of combining a plurality of basic configurations, which, when executed by a computer, causes the computer to perform operations comprising:

displaying, on a display screen, in-the-making configurations from a first basic configuration as a start configuration down to the final three-dimensional configuration;
selecting one of the in-the-making configurations displayed; and

setting as an edit target the basic configuration finally combined with respect to the selected in-the-making configuration according to claim 2, wherein said selecting includes selecting the first in-the-making configuration and the second in-the-making configuration, and the program further comprises reproducing the basic configuration set as the edit target due to the first in-the-making configuration, to the second in-the-making configuration.

9. (PREVIOUSLY PRESENTED) A readable-by-computer recording medium recorded with a program according to claim 2, wherein said program further comprises changing the edit target configuration.

10. (CURRENTLY AMENDED) A readable-by-computer recording medium recorded with a program that provides instructions for completing a final three-dimensional configuration by an operation of combining a plurality of basic configurations, which, when executed by a computer, causes the computer to perform operations comprising:

displaying, on a display screen, in-the-making configurations from a first basic configuration as a start configuration down to the final three-dimensional configuration;
selecting one of the in-the-making configurations displayed; and
setting as an edit target the basic configuration finally combined with respect to the selected in-the-making configuration according to claim 2, wherein the basic configuration is attached with attributes, and said program further comprises editing the attributes of the edit target.

11. (CURRENTLY AMENDED) A solid editing method in a three-dimensional CAD system for editing a three-dimensional configuration formed by sequentially combining basic configurations, said method comprising:

displaying in-the-making configurations from a first basic configuration as a start configuration down to a final three-dimensional configuration;
selecting a basic configuration visible in the in-the-making configuration displayed; and setting the selected basic configuration as an edit target;
wherein said method further comprises setting the edit target basic configuration in a non-display state or a display state from the non-display state with respect to the combination of the basic configurations for forming the final three-dimensional configuration.

12. (CURRENTLY AMENDED) A readable-by-computer recording medium recorded

with a program for indicating a computer to edit a three-dimensional configuration formed by sequentially combining basic configurations, said program comprising:

displaying in-the-making configurations from a first basic configuration as a start configuration down to a final three-dimensional configuration;

selecting a basic configuration visible in the in-the-making configuration displayed; and setting the selected basic configuration as an edit target;

wherein said program further comprises setting the edit target basic configuration in a non-display state or a display state from the non-display state with respect to the combination of the basic configurations for forming the final three-dimensional configuration.

13. (CURRENTLY AMENDED) A method, comprising:

receiving a designation of a three-dimensional CAD configuration from a user;

displaying a sequence of a plurality of in-the-making CAD configurations generating the designated three-dimensional CAD configuration;

receiving a designation of one of the plurality of in-the-making CAD configurations from the user; and

selecting the designated one of the plurality of in-the-making CAD configurations as an edit target;

wherein said method further comprises setting the edit target basic configuration in a non-display state or a display state from the non-display state with respect to the combination of the basic configurations for forming the final three-dimensional configuration.

14. (PREVIOUSLY PRESENTED) The method of claim 13, further comprising:

receiving a designation of an edit method option from the user relating to the displayed sequence of the plurality of in-the-making CAD configurations.

15. (PREVIOUSLY PRESENTED) The method of claim 14, further comprising:

receiving a designation of an edit operation pursuant to the designated edit method from the user;

editing the designated three-dimensional CAD configuration via the displayed sequence of the plurality of in-the-making CAD configurations pursuant to the designated edit operation; and

displaying the edited three-dimensional CAD configuration.